

Oregon Mathematics Education Council

October 16, 2004

Attendees

Linda Samek, Western Baptist College
Michael Boardman, Pacific University
Nicole Rigelman, George Fox University
Trudy Mitchell, Math Learning Center, OCTM
Elizabeth Lundy, Linn-Benton CC
Phyllis Leonard, Chemeketa CC
Brian Goldman, Student Assessment, Multnomah ESD
Klay Kruczek (for Maria Fung, WOU)
Karen Marrongelle, Portland State University, OMLI
Kathy Hall, HP

Notes

1. Reports

- a. OCTM, Trudy Mitchell. August 7-9, 2005 will be Oregon Math Leaders at Linfield. October 13-15, 2005, the Northwest Math Conference will be in Portland. Contact Jackie Nissen (jnissen@vclink.com) if you are interested in presenting. There has been continued work on the retooling workshops which focus on building capacity throughout the state for helping build teachers' content knowledge and knowledge of assessment. OCTM is investing resources in this project.
- b. MAA, Mike Boardman – MAA is involved in Teacher Preparation (PMET), Quantitative Literacy (CUPM Subcommittee). Also, interested in looking at transition from high school to calculus. Mike asked if the group would consider investigating mathematics courses being taught in high school that earn college credit.
- c. ASA, Kathy Hall – Statisticians from ASA judged all entries in the national science fair and are being asked to do the same for the Oregon Science Fair.
- d. TSPC, Linda Samek – OMEC had submitted standards for basic and advanced endorsement for mathematics. The commission approved these in concept and was pleased with these. These standards are being written into rule language the Oregon Administrative Rules. They will be submitted to the Commission again in January for formal approval. NCATE (National Council for Accreditation of Teacher Education) and Oregon have a partnership. Right now, Western Oregon, Oregon State, University of Portland, Portland State have accreditation. (George Fox, Lewis & Clark working on, Pacific and Willamette considering). Mathematics is the only endorsement area in which there are both a basic and advanced level endorsements. Middle school content test has been used as part of basic endorsement. There is a move to add middle level endorsements in other areas as well. There may be a proposal to change the basic math endorsement so that the grade levels are a better fit with the authorization levels.

2. **NSF Curriculum Development Project**, Elizabeth Lundy – Proposal to deal with developmental mathematics in colleges and universities (anything just after arithmetic through just before college algebra). Collaborative project involving several Oregon community colleges, OPB, and other agencies. Impressive list of senior advisors: Sol Garfunkel (President of COMAP), Susan Woods (Project Director, Crossroads Revisited, project to revise and update AMATYC's Standards), Arnold Packer (Executive Director of the SCANS COMMISSION), (Rob Kimbell, AMATYC representative, writer for AMATYC Standards, and internal evaluator for Crossroads Revisited project). The proposal has been endorsed by AMATYC. At this time, Linda Samek is OMEC's representative to the advisory board.
3. **Oregon Math-Science Partnerships** – 4 grants throughout the state funded through Title II B funds. Grants are to create partnerships between schools, higher education institutions, and ESD's. Highlight of projects is a summer content institute. As an example, the NWRESA has partnered with Pacific University, Hillsboro Schools, and NWREL on a project focused on middle school probability and statistics. This past summer, a 2 week institute was held in August
4. **Oregon Mathematics Leadership Institute (OMLI)**, Karen Marrongelle – \$5 million over 5 years from NSF (PI – Tom Dick Co-PI's – Karen Higgins, Brenda Young, Linda Foreman, Karen Marrongelle). Centerpiece is a 3 week institute taking place last week of July and first 2 weeks of August. The institute involves teams of teachers from partner schools and administrators. Courses will involve K-12 teachers. This year, the State MSP set aside money to fund additional teachers. The institute can handle up to 240 teachers. This first summer, the institute will be at Oregon State University. Teachers who sign on can participate for 3 years and receive a certificate endorsed by OSU and PSU.
5. **CIM/Placement Exams**, Linda Samek – Asset/Compass – Algebraic relationships seems to be aligned with Oregon standards. In other areas, CIM and Asset/compass seem to be less well aligned.
6. **State Mathematics Contest**, Linda Samek – Long conversation held at TOTOM. TOTOM recommended that a steering committee be put together. Should have representatives from several groups (Higher ed host institutions, K-12, TOTOM, OMEC, OCTM). There are 4 host institutions (Willamette, OSU, PSU, UO). This group would like to see at least 2 more host institutions. Suggestion that the statewide contest still include an exam, but extend to a day-long event with team competitions, making this an event showcasing the importance and excitement of mathematics. TOTOM recommended that OMEC form an initial advisory group. We are establishing an oversight committee to work on standardizing the contest from campus to campus at the state level, finding additional host institutions, developing new ways to generate state exam, and finding outside funding to support student participation (e.g., fund transportation to help school teams participate, particularly at the regional level, fund substitutes for teachers). Klay Kruczek and Linda Samek will co-chair the initial advisory group.
7. **Next meeting**: 9am-1pm. January 28, 2005 at OMSI. During lunch, this meeting will be a joint meeting with Oregon Science Education Council.
8. **Membership lists and bylaws** should be looked at between now and our next meeting for potential changes and updates.